


 FORM PTO-1449  
 U.S. DEPARTMENT OF COMMERCE  
 PATENT AND TRADEMARK OFFICE  
 INFORMATION DISCLOSURE  
 STATEMENT BY APPLICANT  
 (Use several sheets if necessary)

ATTY. DOCKET NO. I-2-0332.2US	SERIAL NO. 10/779,431
APPLICANT Dick et al.	
FILING DATE February 13, 2004	GROUP 2136

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		3,569,956	03/1971	T.O. Paine Acting Administrator of the National Aeronautics ...			
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		5,365,588	11/1994	Bianco et al.			
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		6,201,811	03/2001	Larsson et al.			
		6,208,615	03/2001	Faruque et al.			
		6,385,183	05/2002	Takeo			
		6,430,722	08/2002	Eroz et al.			
		6,493,331	12/2002	Walton et al.			
		6,539,047	03/2003	Moon, Hi-Chan <sup>10</sup>			
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		2002/0044542	04/2002	Kim et al.			
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		2005/0063347	03/2005	Sarkinen et al.			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	2 228 714	01/1998	CA <sup>9</sup>				
	2 259 226	03/1993	GB				
	02291737	12/1990	JP			X**	
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	99/07976	02/1999	WO <sup>1</sup>				
	99/18689	04/1999	WO <sup>2</sup>				
	99/33271	07/1999	WO <sup>3</sup>				
	00/41316	07/2000	WO <sup>4</sup>				
	01/06662	01/2001	WO			X**	
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	01/50675	07/2001	WO				
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	03/065618	08/2003	WO <sup>6</sup>				

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OTHER DOCUMENTS		
EXAMINER INITIAL		DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.)
		"3rd Generation Partnership Project: Technical Specification Group Radio Access Network; Multiplexing and Channel coding (FDD) (Release 5)," 3GPP TS 25.212 v5.1.0-DRAFT, June 2002.
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		"3rd Generation Partnership Project: Technical Specification Group Radio Access Network; High Speed Downlink Packet Access: Physical Layer Aspects (Release 5)," 3GPP TR 25.858 V5.0.0 (2002-03).
		"3rd Generation Partnership Project; Technical Specification Group Radio Access Network, Multiplexing and Channel Coding (FDD) (Release 5)," 3GPP TS 25.212 V5.0.0, March 2002.
		"3rd Generation Partnership Project; Technical Specification Group Radio Access Network; High Speed Downlink Packet Access (HSDPA); Overall Description; Stage 2 (Release 5)," 3GPP TS 25.308 v5.2.0 (2002-03) Technical Specification
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		"Draft Minutes of WG1 #22 Meeting," TSG-RAN Working Group 1 Meeting No. 23, TSGR1-01-1354, Espoo, Finland, January 8-11.
		"Revised Minutes of TSG RAN WG1 #23 Meeting," TSG-RAN Working Group 1 Meeting No. 24, TSGR1-02-0356, Orlando, Florida, February 18-22.
		"Revised Minutes of TSG RAN WG1 #25 Meeting," TSG-RAN Working Group 1 Meeting No. 25, TSGR1-02-0791.
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		<del>"Revised Minutes of TSG-RAN WG1 #24," TSG-RAN Working Group 1 Meeting No. 25, TSGR1-02-0575, Paris, France, April 9-12.</del>
		<del>3GPP TR 25.858, "Technical Specification Group Radio Access Network; High Speed Downlink Packet Access; Physical Layer Aspects," 3rd Generation Partnership Project; V5.0.0, 3GPP, (Release 5) March 2002, pp 1- 31.</del>
		<del>3GPP, 3rd Generation Partnership Project (3GPP): Technical Specification Group Radio Access Network Multiplexing and channel coding (FDD), 3G TS 25.212, Version 3.0.0 (1999-10).</del>
		<del>Chen, W. et al. "A novel code assignment scheme for W-CDMA systems", Vehicular Technology Conference, 2001. VTC 2001 Fall. IEEE VTS 54th.</del>
		<del>Cheng, B. et al. "OVSE Code Channel Assignment for IMT-2000", Vehicular Technology Conference Proceedings, 2000. VTC 2000-Spring Tokyo, 2000.</del>
		<del>CWTS/Huawei Technologies Co., Ltd. "Discussion About SCCH-HS channel coding and necessity of transmission of HI", R1-02-0114, (January 2002).</del>
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		<del>Ericsson, "Shared control Channel, detailed structure (revision of R1-01-1115)", R1-01-1051, 3GPP TSG-RAN1 #22 November 19-23, 2001, Cheju, Korea.</del>
		<del>ETSI TS 125 212 v5.0.0 (2002-03) Technical Specification, "Universal Mobile Telecommunications System (UMTS); Multiplexing and Channel Coding (FDD) (3GPP TS 25.212 version 5.0.0 Release 5)" (European Telecommunication Standards Institute, 2002).</del>
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		<del>GSM "Digital cellular telecommunications system (Phase 2+); Channel coding (GSM 05.03), V5.0.0, March 1996.</del>
		<del>InterDigital Comm. Corp., "16 bit UE Based UE Specific Masking for HS-SCCH: Updated for consistency with new Rate matching for HS-SCCH", 3GPP TSG RAN WG1#27, R1-02-01, Oulu, Finland, July 2-5, 2002.</del>
		<del>InterDigital Comm. Corp., "16 bit UE ID Based UE Specific Masking for HS-SCCH" Discussion and Decision, 3GPP TSG RAN WG1#26, Kyung-Ju, Korea, May 13-17, 2002.</del>

EXAMINER /Brandon Hoffman/	DATE CONSIDERED 02/01/2008
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		InterDigital Comm. Corp., "16 bit UE ID based UE Specific Masking for HS-SCCH: Updated for consistency with new Rate matching for HS-SCCH," Discussion and Decision, 3GPP TSG RAN WG1#27, Oulu, Finland, July 2-5, 2002.
		InterDigital Comm. Corp., "16 bit UE ID Based UE Specific Masking for HS-SCCH," 3GPP TSG RAN WG1#26, R1-02-0715, Kyung-Ju, Korea, May 13-17, 2002.
		InterDigital Comm. Corp., "Correction to UE specific matching for HS-SCCH part 1," 3GPP TSG RAN WG1#27, R1-02-0941, Oulu, Finland, July 2-5, 2002.
		InterDigital Comm. Corp., "Discussion on UE Specific Masking for HS-SCCH," 3GPP TSG RAN WG1#26, R1-02-0716, Gyeongju, Korea, May 13-17, 2002.
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		LG Electronics, "On the Criterion for UE Specific Scrambling Code", TSGR1#26-02-0771, 3GPP TSG-RAN WG1 Meeting #26, Gyeongju, Korea, May 13-17, 2002.
		LG Electronics, "On User-Specific Scrambling Code for the Part 1 of HS-SCCH", Tdoc R1-02-0542, TSG-RAN WG1 Meeting #25, April 9-12, 2002.
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		Lin et al., "Error Control Coding: Fundamentals And Applications", Prentice Hall Inc., (Englewood Cliffs, 1983).
		Lucent Technologies, "Comparison of Detection Schemes for the HS-SCCH", 3GPP TSG-RAN WG1#25, R1-02-0699, Gyeongju, Korea, May 13-16, 2002.
		Lucent Technologies, "Comparison of Schemes for UE Specific CRC," 3GPP TSG-RAN WG1#23, R1-01-0076, Espoo, Finland, January 8-11, 2002.
		Lucent Technologies, "False Alarm Performance of various UE ID Coding, Scrambling and CRC schemes", 3GPP TSG-RAN WG1#26, R1-02-0723, Gyeongju, Korea, May 13-16, 2002.
		Lucent Technologies, "Further Results on SCCH Detection with Parity Bits", R1-02-0903, 3GPP TSG-RAN WG1#27, Oulu, Finland, July 2-4, 2002.
		Lucent Technologies, "Performance of the HS-SCCH", 3GPP TSG-RAN WG1#25, R1-02-0649, Paris France, April 9-12, 2002.
		Lucent Technologies, "Performance of the HS-SCCH," 3GPP TSG-RAN WG1#25, R1-02-0529, Paris, France, April 9-12, 2002.
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		Motorola, "Text Proposal for HS-DOCH", TSG-RAN Working Group 1 #24, Tdoc R1-02-0490, Orlando, Florida, February 18-22, 2002
		Motorola, "Way Forward on HS-SCCH," TSG RAN WG1 Meeting #24, R1-02-0463, Orlando, Florida, February 18-22, 2002
		Motorola, "Comments on the Requirement for UE ID when HS-DOCH Indicator (HI) bit is present for High Speed Downlink Packet Access (HSDPA) Downlink Signaling", R1-01-0758, TSG-RAN Working Group 1 #21, Korpilampi, Finland, June 26-28, 2001.
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		Motorola, "Sizing of the HSDPA control channels", R1-01-1210, TSG-RAN Working Group 1#23, JeJu, Korea, November 19-23, 2001.
		Motorola, TSG RAN WG1 Meeting #24, "Performance of the HS-SCCH", <a href="http://www.3gpp.org/ftp/TSG_RAN/WG1_RL1/TSGR1/Docs/Zips/R1-02-0610.zip">http://www.3gpp.org/ftp/TSG_RAN/WG1_RL1/TSGR1/Docs/Zips/R1-02-0610.zip</a> , April 2002.
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		NEC, "Coding for HS-SCCH", R-1-02-1121, 3GPP TSG-RAN WG1 Meeting #28, Seattle, Washington, August 19-22, 2002
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		Qualcomm, "CCH-HS - Summary", R1-02-0157, 3GPP TSG-RAN1 #23, January 8-11, 2002, Espoo, Finland.
		Qualcomm, "CCH-HS structure, coding & timing", 3GPP TSG-RAN1 #23, R1-02-0156, January 8-11, 2002, Espoo, Finland.
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		Samsung, "An efficient signaling on SCCH-HS and channel coding of SCCH-HS", TSG-RAN Working Group 1 Meeting #23, R1-02-0051, Espoo, Finland, January 8-11, 2002.
		Samsung, "Position of New Data Indicator", RAN WG1 meeting #22, Jeju, Korea, November 19-23, 2001, R1-01-1175.
		Siemens, "Coding and Rate Matching for HS-SCCH", TSG RAN WG1 Meeting #26, Tdoc R1-02-0604, Paris, France, April 9-12, 2002
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		Siemens, "Improved UE Specific CRC Generation," 3GPP TSG-RAN WG1#25, Tdoc R1-02-0493, Paris, France, February 1-12, 2002
		Siemens, "Rate Matching and Channel Coding for HS-SCCH", 3GPP TSG-RAN1 Meeting #25 R1-02-0605, Paris France, April 9-12, 2002
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		Siemens, "Simplified UE-ID Masking of HS-SCCH, Part 1," Discussion and Decision, Tdoc R1-02-0914, TSG-RAN Working Group 1 #27, Oulu, Finland, July 2-5, 2002.
		Siemens, "UE Specific Bit Scrambling for TDD HS-SCCH", 3GPP TSG RAN WG1 Meeting #25, 3GPP TSG-RAN WG1 #25, Paris, France, February 9-12, 2002, R1-02-0400.
		Siemens, "UE Specific Bit Scrambling for TDD HS-SCCH", 3GPP TSG-Ran WG1 Meeting #26, Tdoc R1-02-0739, Gyeongju, Korea, May 13-16, 2002
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<b>FORM PTO-1449</b>  <b>U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)	<b>ATTY. DOCKET NO.</b> I-2-0332.2US	<b>SERIAL NO.</b> 10/779,431
	<b>APPLICANT</b> Dick et al.	
	<b>FILING DATE</b> February 13, 2004	<b>GROUP</b> 2136

		Texas Instruments, "HS-SCCH: Performance results and improved structure", R1-02-0637, 3GPP TSG RAN WG1 Meeting #25, Paris, France, April 9-12, 2002
		Texas Instruments, "HS-SCCH: Performance Results and Improved Structure," 3GPP TSG RAN WG1 Meeting #25, R1-02-0535, Paris, France, April 9-12, 2002
		TIA/EIA Interim Standard "Mobile Station-Base Station Compatibility for Dual-Mode Wideband Spread Spectrum Cellular System", TIA/EIA/IS-9-5A, (May 1995).
		TR 25.858, v1.0.4, 3GPP TSG RAN #23, 8 - 11 January, 2002, Espoo, Finland, R1-02-0199.

**\*\* Abstract Only**

- <sup>1</sup> Corresponds to RU 2193276; <sup>2</sup> Corresponds to RU 2000111545; <sup>3</sup> Corresponds to RU 2212770;  
<sup>4</sup> Corresponds to RU 2214677; <sup>5</sup> Corresponds to RU 2003100083; <sup>6</sup> Corresponds to RU 2004123213;  
<sup>7</sup> Corresponds to WO 01/43292; <sup>8</sup> Corresponds to CN 1202286; <sup>9</sup> Corresponds to CN 1197337;  
<sup>10</sup> Corresponds to KR 20000009140;

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
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